

## **MONTHLY OPERATIONS REPORT**

September 2015

Town of Discovery Bay, CA

**2223** Days of Safe Operations

**100384** worked hours since last recordable incident

### **TRAINING:**

**Safety, Operations, & Equipment**

<b>Safety</b>	<b>Hours</b>
West Monthly Regional Safety Webinar Weekly Safety Topics Monthly Safety Topics Fork Truck Training	7.0
<b>Operations</b>	
New Submersible Pump	1.0

### **REPORTS SUBMITTED TO REGULATORY AGENCIES**

Monthly Discharge Monitoring Report (DMR) Monthly electronic State Monitoring Report (eSMR) Monthly Coliform Report, State Water Board (WD)
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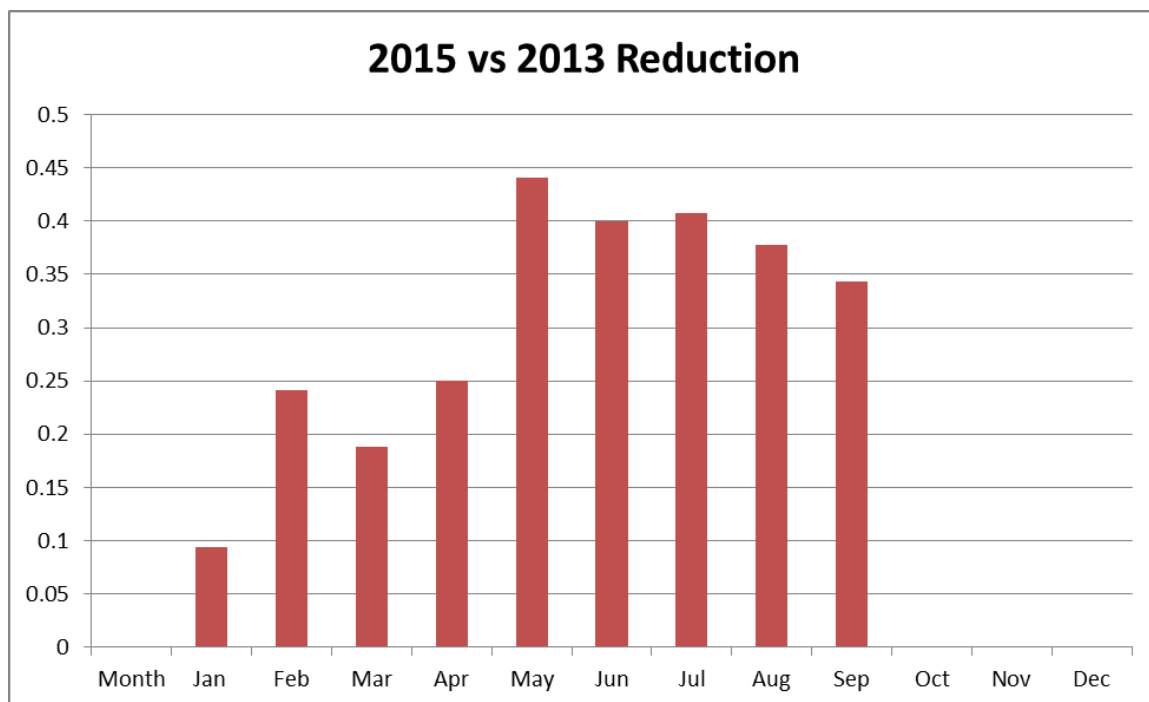
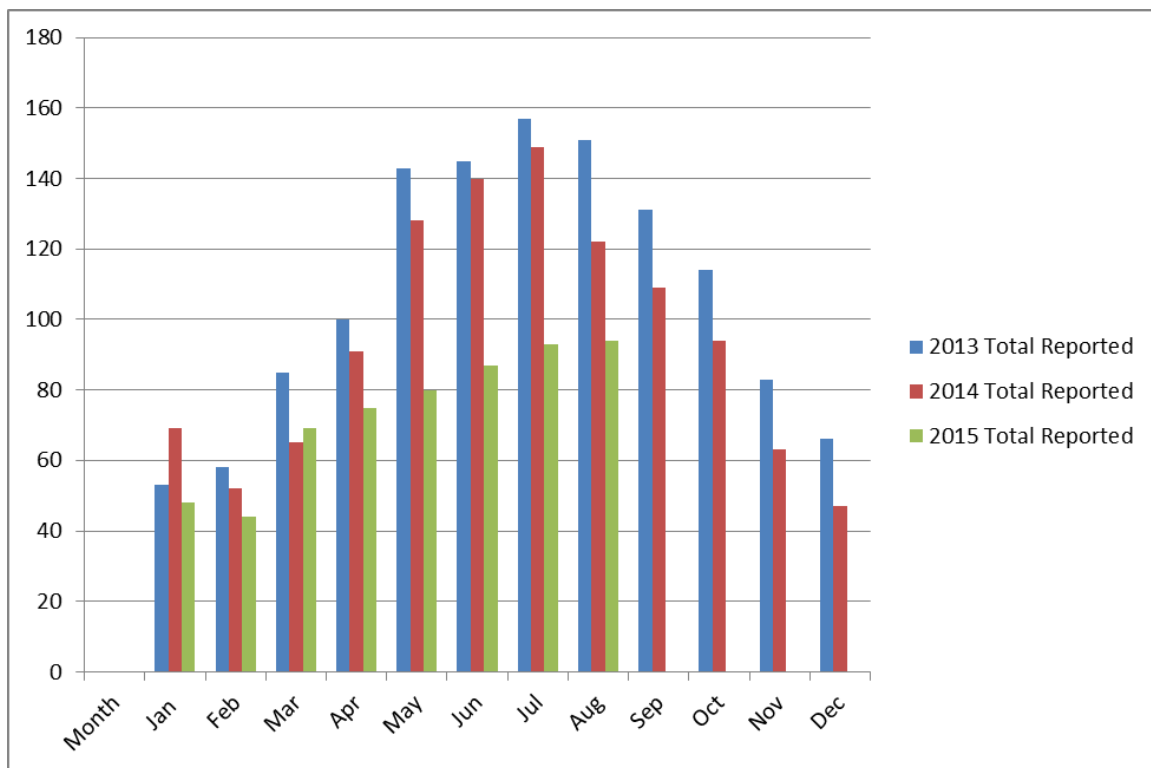
### **WATER SERVICES**

<b># of Active Wells</b>	<b>Water Produced (MG)</b>	<b>Chemical (Hypo) Delivered</b>	<b>Fire Hydrant Flushing</b>
5	<b>86</b>	<b>3710</b>	<b>0</b>

*Note: Well 5 is off line, Replaced by Well #7*

### **2015 Water Production Table (MG) by Month**

<b>January</b>	<b>February</b>	<b>March</b>	<b>April</b>	<b>May</b>	<b>June</b>
<b>48</b>	<b>44</b>	<b>70</b>	<b>75</b>	<b>80</b>	<b>87</b>
<b>July</b>	<b>August</b>	<b>September</b>	<b>October</b>	<b>November</b>	<b>December</b>
<b>93</b>	<b>94</b>	<b>86</b>			



**Reused Water:**

**1.3 MG - July**

**1.9 MG – August**

**5.4 MG- September**

### Bacteriological Test Results:

Routine Bacteria Samples Collected	No. Total Coliform Positives	No. Fecal/E. coli Positives	Brown Water Calls
<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>

## WASTEWATER SERVICE

### Wastewater Laboratory Analysis

<i>WW Effluent Parameter</i>	<i>Permit Limits</i>	<i>August Lab Data</i>	<i>September Lab Data</i>
Flow, MG Effluent, <b>monthly total</b>		33.6	<b>30.1</b>
Flow, MG Daily Influent Flow, <b>avg.</b>	N/A	1.1	<b>1.1</b>
Flow, MG Daily Discharge Flow, <b>avg.</b>	2.1	1.1	<b>1.0</b>
Effluent BOD <sub>5</sub> , lbs/d, <b>monthly avg.</b>	350	17	<b>16</b>
Effluent TSS, lbs/d, <b>monthly avg.</b>	525	29	<b>57</b>
Effluent BOD <sub>5</sub> , mg/L, <b>monthly avg.</b>	20	2	<b>2</b>
Effluent TSS, mg/L, <b>monthly avg.</b>	30	4	<b>6</b>
Total Coli form 7 day Median Max	23	0	<b>8</b>
Total Coli form Daily Maximum	240	0	<b>33</b>
% Removal BOD <sub>5</sub> , monthly avg.	85% min.	98	<b>99</b>
% Removal, TSS, monthly avg.	85% min.	94	<b>93</b>
Electrical Conductivity, umhos/cm <b>annual avg.</b>	2100	2119	<b>2119</b>

Blue – new parameter added

## National Pollution Discharge Elimination System (NPDES)

NPDES Related Excursions	Permit Parameter	NPDES Parameter Limit	Actual Parameter Result
<b>1</b>	<b>SSO</b>	<b>0</b>	<b>N/A</b>

### **Bacteriological Test Results:**

Routine Bacteria Samples Collected	No. Total Coliform Positives	No. Fecal/E. coli Positives	7-Day Median Excursion
<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>

# of Active Lift Stations	# of Inactive Lift Stations	SSO	Wastewater Received (MG)
<b>15</b>	<b>0</b>	<b>1</b>	<b>32.6</b>

### **COLLECTION:**

- Flushing schedule to resume in the fall.
- CCTV completed
- Inspected 0 manhole & covers. 0 YTD
- Performed valve exercising
- Performed weekly lift station inspections.

### **MAINTENANCE:**

#### **Preventive and Corrective**

Total # of WO's Completed	Total Hours
<b>185</b>	<b>149</b>

#### **Work Order Back-Log**

Aging 8 - 30 Days	Aging > 30 Days
<b>48</b>	<b>17</b>

#### **Call & Emergency Responses**

Call Outs	Emergencies
<b>6</b>	<b>1</b>

#### **Personnel Hours & Overtime:**

Regular Hours	Overtime
<b>1408</b>	<b>49</b>

### **TERMS**

WWTP	WASTEWATER TREATMENT PLANT
WTP	WATER TREATMENT PLANT
WL	WILLOW LAKE
NP	NEWPORT
VFD	VARIABLE FREQUENCY DRIVE
WO	WORK ORDER
PLC	PROGRAMMABLE LOGIC CONTROLLER
L/S	LIFT STATION
SSO	SANITARY SEWER OVERFLOW
BOD	BIOLOGICAL OXYGEN DEMAND
TSS	TOTAL SUSPENDED SOLIDS
MGD	MILLION GALLONS PER DAY
mg/l	MILLIGRAMS PER LITRE
CCTV	CLOSED CIRCUIT TELEVISION
PPM	PARTS PER MILLION
RAS	RETURN ACTIVATED SLUDGE
WAS	WATSE ACTIVATED SLUDGE
UV	ULTRAVIOLET LIGHT